

NEW SITE IDENTIFICATION (NSI)

Part A – NEW SITE IDENTIFICATION INFORMATION (To be completed by the Task Lead for New Site)

1. Site Title: Contaminated Soil Around the TAN-607 Decontamination Shop Door	Site Code: TSF-52 NSI Evaluation Initiation Date: March 24, 2005
2. Task Lead For New Site: Wendell Jolley	Phone: 526-5990
3. NSI Coordinator: Nielsen Burch	Phone: 526-5676
4. Initiator or Initial Observer: Nathan Wheldon (Portage Environmental, Inc.)	Phone: 528-6608
5. Description of Suspected New Site and Location: <p>The suspected new site is located around the Decontamination Shop Door on the west side of the southwest corner of TAN-607. The site was discovered while excavating a 2 inch discharge pipe (2" WDA-10027) leading from the TAN-607 Decontamination Shop Sump to Valve Pit #1. The process line carried waste from the TAN-607 Decontamination Room Sump to the TAN-616 Evaporator System. Radiological surveys of the soil under the asphalt revealed radiation levels above background. Digging commenced using a vacuum excavator and contamination was found along the west wall of TAN-607 to a depth of 6 ft. Radiological surveys of the area show varying degrees of contamination with counts as high as 400,000 dpm (40,000 cpm) on the soil next to the west wall of the TAN-607 building. The physical integrity of the piping was confirmed through visual inspections, and that no visible leaking occurred during the flushing and sampling of the pipe. A portion of the pipe is still protruding through the wall. Figure 1 below shows the trench that was excavated for the cutting, capping, and removal of the pipe. Because the excavation was made for purposes of accessing the line and not to determine the extent of contamination, contaminated soil may exist in and beyond the confines of the excavated area. A drawing showing the relation of this area to the TAN-607 facility is Attachment A.</p> <p>Historical process knowledge indicates that there was at least one release from the firewater system in the decontamination room. The firewater system is located next to the overhead door and the falling water could have easily leaked under the door, resulting in the soil contamination observed during the excavation.</p>	
6. Is the site SWMU as defined in OSWER DIRECTIVE 9502.00-6? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
7. Recommendation <div style="margin-left: 20px;"> <input type="checkbox"/> Recommend not including as a new FFA/CO site. This site DOES NOT warrant further investigation, does not meet the criteria for acceptance, and should not be included under FFA/CO Action Plan. </div> <div style="margin-left: 20px;"> <input checked="" type="checkbox"/> Recommend including as new FFA/CO site. This site DOES meet the criteria for acceptance, may warrant further investigation, and should be included under FFA/CO Action Plan. </div> <div style="margin-left: 20px; margin-top: 10px;"> Recommended WAG and Operable Unit to which site should be assigned: WAG: 10 Operable Unit: 10-08 Recommended action for this site: <div style="display: flex; justify-content: space-between; width: 80%;"> <input type="checkbox"/> No Action <input type="checkbox"/> No Further Action <input type="checkbox"/> Remedial Action under Existing ROD <input type="checkbox"/> Track 2 <input checked="" type="checkbox"/> RI/FS </div> </div>	
8. Responsible Manager Signature: <div style="display: flex; justify-content: space-between; align-items: flex-end; margin-top: 20px;"> <div style="width: 30%;">Name: Michael Hodel</div> <div style="width: 40%;">Signature: </div> <div style="width: 30%;">Date: 5-4-05</div> </div>	

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Figure 1: Photograph of the trench where contamination was found outside TAN-607.

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PART B - INEEL FFA/CO RESPONSIBLE PROGRAM MANAGERS (RPM'S) CONCURRENCE

Site Title:

Contaminated Soil Around the TAN-607 Decontamination Shop Door

Site Code:

TSF-52

DOE-ID FFA/CO RPM Concurrence: ☒ Concur with recommendation. ☐ Do not concur with the recommendation.

Signature: Nathleen E Hain

Date: 5/09/05

Explanation: This site was identified during closure of a Voluntary Consent Order tank system. It should be placed in OU 10-08. The site may be addressed using the standards applied to other OU 1-10 soil sites. DOE's current goal is to complete remedial action in the TAN facility area in FY 05, if possible.

EPA FFA/CO RPM Concurrence: ☒ Concur with recommendation. ☐ Do not concur with the recommendation.

Signature: Don J. [Signature]

Date: 5-19-05

Explanation: EPA agrees this site warrants further action. As described above, using the cleanup standards outlined in OU-1-10 ROD is appropriate.

State of Idaho

FFA/CO RPM Concurrence:

☒ Concur with recommendation.

☐ Do not concur with the recommendation.

Signature: Page J. [Signature]

Date: 9-15-05

Explanation:

DEQ agrees that TSF-52, identified during partial closure of the Intermediate-level Radioactive Waste Management Tank System, is a release site to soils that should be addressed under the FFA/CO. Since the area that is assumed to be the most highly contaminated was not characterized during closure activities, this site should be placed in Operable Unit 10-08 for further characterization and evaluation of risks prior to developing a remedial action decision.

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Attachment A

